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SEQUENCE LISTING

(1) GENERAL INFORMATION



(i) APPLICANT: ELAZAR RABBANI
JANNIS G. STAVRIANOPOULOS
JAMES J. DONEGAN
DAKAI LIU
NORMAN E. KELKER
DEAN L. ENGELHARDT

- (ii) TITLE OF INVENTION: NOVEL PROPERTY EFFECTING AND/OR PROPERTY EXHIBITING COMPOSITIONS FOR THERAPEUTIC AND DIAGNOSTIC USE
- (iii) NUMBER OF SEQUENCES: 42
- (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE! ENZO THERAPEUTICS, INC.
 - (B) STREET: C/O ENZO BIOCHEM, INC. 527 MADISON AVENUE,

9TH FLOOR

- (C) CITY: NEW YORK
- (D) STATE: NY
- (E) COUNTRY: USA
- (F) ZIP: 10022
- (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: 3.5" Micro Floppy Disk. 1.44 KB STORAGE
 - (B) COMPUTER: IBM PC/XT/AT, IBM PS/2 OR COMPATIBLES
 - (C) OPERATING SYSTEM; PC-DOS
 - (D) SOFTWARE: MICROSOFT WORD ASCII TEXT (DOS)
- (vi) CURRENT APPLICATION DATA
 - (A) APPLICATION NUMBER: US 08/978,634
 - (B) FILING DATE: 25-NOVEMBER-1997
 - (C) CLASSIFICATION: Not Yet Known
- (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: FEDUS, RONALD C
 - (B) REGISTRATION NUMBER: 32,567
 - (C) REFERENCE/DOCKET NUMBER: ENZ-53(D2)
- (ix) TELECOMUNICATION INFORMATION:
 - (A) TELEPHONE: (212) 583-0100
 - (B) TELEFAX: (212) 583-0150
- (2) INFORMATION FOR SEQ ID NO: 1
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH:
- 20 amino adids

single

- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear

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	(ii)	MOLECULE TYPE: peptide	
	(iii)	HYPOTHETICAL: NO	
	(ix)	SEQUENCE DESCRIPTION: SEQ ID NO:	1:
Gly Phe Phe Gly	Ala Ile A	Ala Gly Phe Leu Glu Gly Gly Trp Glu Gly 10 15	
Met Ile Ala Gly 20			
(3) INFOR	MATION	FOR SEQ ID NO. 2:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: DNA (genomic)	
	(iii)	HYPOTHETICAL: NO	
	(ix)	SEQUENCE DESCRIPTION: SEQ ID NO:	2:
TGCTCTCTAA GO	GGTCTA	СТС	
(4) INFOR	MATION	FOR SEQ ID NO. 3:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 15 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: DNA (genomic)	
	(iii)	HYPOTHETICAL: NO	
	(ix)	SEQUENCE DESCRIPTION: SEQ ID NO:	3:
CTCTAAGGTA A	АТАТ		
(5) INFOR	MATION	N FOR SEQ ID NO. 4:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	

		,	1	
		(ii)	MOLECULE TYPE: DNA (genomic)	
		(iii)	HYPOTHETICAL: NO	
		(ix)	SEQUENCE DESCRIPTION: SEQ ID NO: 4:	
TGTATTT 16	AG	ATTCAA		
(6)	INF	ORMATION	N FOR SEQ ID NO. 5:	
		_ (i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
		(ii)	MOLECULE TYPE: DNA (genomic)	
		(iii)	HYPOTHET CAL: YES	
		(ix)	SEQUENCE DESCRIPTION: SEQ ID NO: 5:	
TGCTCTCT 19	`AA	GGTAAAT	`AT	
(7)	INF	ORMATION	N FOR SEQ ID NO. 6:	
		(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
		(ii)	MOLECULE TYPE: DNA (genomic)	
		(iii)	HYPOTHETICAL: YES	
		(ix)	SEQUENCE DESCRIPTION: SEQ ID NO: 6:	:
TGTATTTT 19	AG	GGTCTAC	тс	
(8)	INF	ORMATION	N FOR SEQ ID NO. 7:	
		(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: IP base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS single (D) TOPOLOGY: linear	
		(ii)	MOLECULE TYPE: mRNA	

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	(iii)	HYPOTHETICAL: YES	
	(ix)	SEQUENCE DESCRIPTION: SEQ ID NO:	7:
UGCUCUCUAA 19	GGUAAA	AUAU	
(0)		N 292 020 12 NO 0	
(9) INFO	ORMATIO:	N FOR SEQ ID NO. 8:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: mRNA	
	(iii)	HYPOTHETICAL: YES	
	(ix)	SEQUENCE DESCRIPTION: SEQ ID NO:	8:
UGUAUUUUAG 19	GGUCUA	ACUC	
(10) INFORMATION	ON FOR S	EQ ID NO. 9:	
>	(i) .	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE mRNA	
	(iii)	HYPOTHETICAL: YES	
	(ix)	SEQUENCE DESCRIPTION: SEQ ID NO:	9:
UGCUCUCUAA 20	GGGUCI	JACUC	
(11)INFORMATION	ON FOR S	EQ ID NO. 10:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 49 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid (A) Description: /desc = "oligonucleotide"	
	(iii)	HYPOTHETICAL: VES	

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	(ix)	SEQUENCE DESCRIPTION: SEQ ID NO: 10:
GGAATTCGTC 49	TCGAGC	TOTG ATCACCACCA TGGACACGAT TAACATCGC
(12) INFORMATI	ON FOR S	EQ ID NO. 11:
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 55 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
	(ii)	MOLECULE TYPE: other nucleic acid (A) Description: /desc = "oligonucleotide"
	(iii)	HYPOTHETICAL: YES
	(ix)	SEQUENCE DESCRIPTION: SEQ ID NO: 11:
GACTAGTTGG 55	TCTCGTC	CTCT TTTTTGGAGG AGTGTCGTTC TTAGCGATGT TAATC
(13) INFORMATI	ON FOR S	EQ ID NO. 12:
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 46 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
	(ii)	MOLECULE TYPE: other nucleic acid (A) Description: /desc = "oligonucleotide"
	(iii)	HYPOTHETICAL: YES
	(ix)	SEQUENCE DESCRIPTION: SEQ ID NO: 12:
GGAATTCGTC 46	TCGGAG	AAAG GTAAAATTCT CTGACATCGA ACTGGC
(14) INFORMATI	ON FOR S	EQ ID NO. 13:
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 33 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
	(ii)	MOLECULE TYPE: other nucleic acid (A) Description: /desc = "oligonucleotide"

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(iii)	HYPOTHETICAL: YES
(ix)	SEQUENCE DESCRIPTION: SEQ ID NO: 13:
GACTAGTGGT CTCCCCT	TAG AGAGCATGTC AGC
(15) INFORMATION FOR SI	EQ ID NO. 14:
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 33 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
(ii)	MOLECULE TYPE: other nucleic acid (A) Description: /desc = "oligonucleotide"
(iii)	HYPOTHETICAL: YES
(ix)	SEQUENCE DESCRIPTION: SEQ ID NO: 14:
GGAATTCGGT CTCGGGT	TCTA CTCGGTGGCG AGG
(16)INFORMATION FOR SI	EQ ID NO. 15:
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 27 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
(ii)	MOLECULE TYPE: other nucleic acid (A) Description: /desc = "oligonucleotide"
(iii)	HYPOTHETICAL: YES
(ix)	SEQUENCE DESCRIPTION: SEQ ID NO: 15:
GACTAGTCGT TACGCGA 27	AACG CAAAGTC
(17) INFORMATION	N FOR SEQ ID NO. 16:
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 36 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
(ii)	MOLECULE TYPE: other nucleic acid (A) Description: /desc = "oligonucleotide"

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	(iii)	HYPOTHETICAL: YES
	(ix)	SEQUENCE DESCRIPTION: SEQ ID NO: 16:
GGAATTCGTC 36	TCTAAGO	TAA ATATAAAATT TTTAAG
(18) INF	ORMATION	FOR SEQ ID NO. 17:
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 40 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
	(ii)	MOLECULE TYPE: other nucleic acid (A) Description: /desc = "oligonucleotide"
	(iii)	HYPOTHETICAL: YES
	(ix)	SEQUENCE DESCRIPTION: SEQ ID NO: 17:
GACTAGTCGT 40	CTCTGAC	CCT AAAATACACA AACAATTAGA
(19) INF	ORMATION	FOR SEQ ID NO. 18:
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 92 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear
	(ii)	MOLECULE TYPE: DNA (genomic)
	(iii)	HYPOTHETICAL: YES
	(ix)	SEQUENCE DESCRIPTION: SEQ ID NO: 18:
GGAATTCGTC AAGAACGACA		CTG ATCACCACCA TGGACACGAT TAACATCGCT
CTCCTCCAAA 92	AAAGAGA	ACGA GACCAACTAG TO
(20) INF	ORMATION	N FOR SEQ ID NO. 19:
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 46 base pairs (B) TYPE: nucleid acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear

(ii) (MOLECULE TYPE: DNA (genomic)
(iii)	HYPOTHETICAL: YES
(ix)	SEQUENCE DESCRIPTION: SEQ ID NO: 19:
GGAATTCGTC TCGGAGA	AAAG GTAAAATTCT CTGACATCGA ACTGGC
(21) INFORMATION	N FOR SEQ ID NO. 20:
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 106 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear
(ii)	MOLEQULE TYPE: DNA (genomic)
(iii)	HYPOTHETICAL: YES
(ix)	SEQUENCE DESCRIPTION: SEQ ID NO: 20:
GGAATTCGTC TCGAGCT AAGAACGACA 60	CTG ATCACCACCA TGGACACGAT TAACATCGCT
106	AAAG GTAAAATTCT CTGACATCGA ACTGGC
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 50 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear
(ii)	MOLECULE TYPE: DNA (genomic)
(iii)	HYPOTHETICAL: NO
(ix)	SEQUENCE DESCRIPTION: SEQ ID NO: 21:
ATGGACACGA TTAACA 50	TCGC TAAGAACGAC TTCTCTGACA TCGAACTGGC
(23) INFORMATION	N FOR SEQ ID NO. 22:
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 7 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear

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(ii) MOLECULE TYPE: DNA (genomic) HYPOTHETICAL: YES (iii) SEQUENCE DESCRIPTION: SEQ ID NO: 22: (ix) ATGGACACGA TTAACATCGC TAAGAACGAC ACTCCTCCAA AAAAGAGAAA **GGTAAAATTC** 60 TCTGACATCG AACTGGC 77 (24)INFORMATION FOR SEQ ID NO. 23: SEQUENÇE CHARACTERISTICS: (i) LENGTH: 69 base pairs (A) (B) TYPE: nucleic acid (C) STRANDEDNESS: single TOPOLOGY: (D) linear MOLECULE TYPE: other nucleic acid (ii) (A) Description: /desc = "oligonucleotide" HYPOTHETICAL: YES (iii) SEQUENCE DESCRIPTION: (ix) SEQ ID NO: 23: GATCATTAGA CCAGATCTGA GCCTGGGAGC TCTCTGGCTA ACTAGGGAAC **CCACTGCTTA** 60 **AGCCTCAAG** 69 (25)INFORMATION FOR SEQ ID NO. 24: SEQUENCE CHARACTERISTICS: (i) (A) LENGTH: d9 base pairs nucleic acid (B) TYPE: (C) **STRANDEDNESS** single (D) TOPOLOGY: lindar MOLECULE TYPE: other nucleic acid (ii) (A) Description: /desc = "oligonucleotide" (iii) HYPOTHETICAL: YES (ix) SEQUENCE DESCRIPTION: SEQ ID NO: 24: GATCCTTGAG GCTTAAGCAG TGGGTTCCCT AGTTAGCGAG AGAGCTCCCA **GGCTCAGATC** 60 **TGGTCTAAT** 69

(26)	INFORMATIO	FOR SEQ ID NO. 25:
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 61 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
	(ii)	MOLECULE TYPE: other nucleic acid (A) Description: /desc = "oligonucleotide"
	(iii)	HYPOTHETICAL: YES
	(ix)	SEQUENCE DESCRIPTION: SEQ ID NO: 25:
GATCACC' ACCTCCTC		CCTA TGCCAGGAAG AAGCGGAGAC AGCGACGAAG
G 61		
(27)	INFORMATIO	N FOR SEQ ID NO. 26:
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 61 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
	(ii)	MOLECULE TYPE: other nucleic acid (A) Description: /desc = "oligonucleotide"
	(iii)	HYPOTHETICAL: YES
	(ix)	SEQUENCE DESCRIPTION: SEQ ID NO: 26:
GATCCTTO GAGCCTA T 61		TTCG TCGCTGTCTC CGCTTCTTCC TGCCATAGGA
(28)	INFORMATIO	N FOR SEQ ID NO. 27:
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 62 tase pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
	(ii)	MOLECULE TYPE: other nucleic acid (A) Description: /desc = "oligonacleotide"

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	(iii)	HYPOTHETICAL: YES
	(ix)	SEQUENCE DESCRIPTION: SEQ ID NO: 27:
GATCATAGTG CCCACCTCCC	AATAGAG	GTTA GGCAGGGATA CTCACCATTA TCGTTTCAGA
AG 62		
(29) INF	ORMATION	N FOR SEQ ID NO. 28:
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 62 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
	(ii)	MOLECULE TYPE: other nucleic acid (A) Description: /desc = "oligonucleotide"
	(iii)	HYPOTHET CAL: YES
•	(ix)	SEQUENCE DESCRIPTION: SEQ ID NO: 28:
GATCCTGGGA TCTATTCACT	GGTGGG ⁷ 60	TCTG AAACGATAAT GGTGAGTATC CCTGCCTAAC
AT 62		
(30) INF	ORMATION	N FOR SEQ ID NO. 29:
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 30 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
	(ii)	MOLECULE TYPE: other nucleic acid (A) Description: /desc = "oligonucleotide"
	(iii)	HYPOTHETICAL: YES
	(iv)	ORIGINAL SOURCE: (A) ORGANISM: TER-1
	(x)	SEQUENCE DESCRIPTION: \ SEQ ID NO: 29:
AATCTAGAGC 30	TAACAA	AGCC CGAAAGGAAG

(31) INFORMATION FOR SEQ ID NO. 30	:
(i) SEQUENCE CHARA (A) LENGTH: (B) TYPE: (C) STRANDED (D) TOPOLOGY	28 base pairs nucleic acid DNESS: single
(ii) MOLECULE TYPE: (A) Description: /de	other nucleic acid esc = "oligonucleotide"
(iii) HYPOTHETICAL: Y	'ES
(ix) SEQUENCE DESCR	LIPTION: SEQ ID NO: 30:
TTCTGCAGAT ATAGTTCCTC CTTTCAGC 28 (32) INFORMATION FOR SEQ ID NO. 31	:
(i) SEQUENCE CHARA (A) LENGTH: (B) TYPE: (C) STRANDED (D) TOPOLOGY	ACTERISTICS: 70 base pairs nucleic acid DNESS: single
(ii) MOLECULE TYPE: (A) Description: /de	other nucleic acid esc = "oligonucleotide"
(iii) HYPOTHETICAL: Y	'ES
(ix) SEQUENCE DESCR	LIPTION: SEQ ID NO: 31:
TCGAGCCATG GCTTAAGGAT CCGTACGTC TACTAGTTAA 60	C GGAGCTAGCG GGCCCATCGA
ATGCAGATCT 70	
(33) INFORMATION FOR SEQ ID NO 32	:
(i) SEQUENCE CHARA (A) LENGTH (B) TYPE: (C) STRANDED (D) TOPOLOG	70 base pairs nucleic acid DNESS: single
(ii) MOLECULE TYPE: (A) Description: /de	other nucleic acid ecc = "oligonucleotide"
(iii) HYPOTHETICAL: Y	r A s
(ix) SEQUENCE DESCR	RIPTION: SEQ ID NO: 32:

CTAGAGATCT GCATTTAACT AGTATCGATG GGCCCGCTAG CTCCGGACGT **ACGGATCCTT AAGCCATGGC** 70 INFORMATION FOR SEQ ID NO. 33: (34)(i) SEQUENCE CHARACTERISTICS: 29 base pairs (A) LENGTH: nucleic acid B) TYPE: double STRANDEDNESS: TOPOLOGY: linear MOLECULE TYPE: other nucleic acid (ii) (A) Description: /desc = "oligonucleotide" HYPOTHETICAL: YES (iii) 33: SEQUENCE DESCRIPTION: SEQ ID NO: (ix) CATGAAATTA ATTCGACTCA CTATACGGA 29 INFORMATION FOR \$EQ ID NO. 34: (35)(i) SEQUENCE CHARACTERISTICS: LENGTH: 29 base pairs (A) nucleic acid (B) TYPE: (C) STRANDEDNESS: double (D) TOPOLOGY: linear MOLECULE TYPE: other nucleic acid (ii) (A) Description: /desc = "oligonucleotide" HYPOTHETICAL: YES (iii) SEQUENCE DESCRIPTION: SEQ ID NO: 34: (ix) TTTAATTAAG CTGAGTGATA TGCCTCTAG 29 INFORMATION FOR SEQ ID NO. 35: (36)SEQUENCE CHARACTERISTICS: (i) 72 base pairs (A) LENGTH: (B) **TYPE** nucleic acid (C) STRANDEDNESS: single (D) ТОРОЦОСУ: linear (ii) MOLECULE TYPE: other nucleic acid (A) Description: \(/desc = "oligonucleotide" \)

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	(iii)	HYPOTHETICAL: YES
	(ix)	SEQUENCE DESCRIPTION: SEQ ID NO: 35:
GATCCGGAT CCAGGCTCAG		TANG CAGTGGGTTC CCTAGTTAGC CAGAGAGCTC
ATCTGGTCTA 72	AT	
(37) IN	FORMATION	FOR SEQ ID NO. 36:
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 72 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
	(ii)	MOLECULE TYPE: other nucleic acid (A) Description: /desc = "oligonucleotide"
	(iii)	HYPOTHETICAL: YES
	(ix)	SEQUENCE DESCRIPTION: SEQ ID NO: 36:
CCGGATTAGA CCACTGCTTA		CTGA GCCTGGGAGC TCTCTGGCTA ACTAGGGAAC
AGCCTCAATO 72	C CG	
(38) IN	FORMATION	FOR SEQ ID NO. 37:
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 66 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
	(ii)	MOLECULE TYPE: other nucleic acid (A) Description: /desc = "oligonucleotide"
	(iii)	HYPOTHETICAL: YES
	(ix)	SEQUENCE DESCRIPTION: SEQ ID NO: 37:
GATCCGGAC TAGGAGAGC		AGGT CTTCGTCGCT GTCTCCGCTT CTTCCTGCCA
TAAGGT 66		
(39) IN	FORMATION	FOR SEQ ID NO. 38:

	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 66 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
	(ii)	MOLECULE TYPE: other nucleic acid (A) Description: /desc = "oligonucleotide"
	(iii)	HYPOTHETICAL: YES
	(ix)	SEQUENCE DESCRIPTION: SEQ ID NO: 38:
CCGGACCTTA ACCTCCTCAA	GGCTCTC 60	CCTA TGGCAGGAAG AAGCGGAGAC AGCGACGAAG
GGTCCG 66		
(40) INFO	ORMATIO	N FOR SEQ ID NO. 39:
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 65 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
	(ii)	MOLECULE TYPE: other nucleic acid (A) Description: /desc = "oligonucleotide"
	(iii)	HYPOTHETICAL: YES
	(ix)	SEQUENCE DESCRIPTION: SEQ ID NO: 39:
GATCCGGATG AACTCTATTC	GGAGGT 60	GGGT CTGAAACGAT AATGGTGAGT ATCCCTGCCT
ACTAT 65		
(41) INFO	ORMATIO	N FOR SEQ ID NO. 40:\
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 65 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
	(ii)	MOLECULE TYPE: other nucleic acid (A) Description: /desc = "digonucleotide"
	(iii)	HYPOTHETICAL: YES \

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SEQUENCE DESCRIPTION: SEQ ID NO: 40: (ix) CCGGATAGTG AATAGAGTTA GGCAGGGATA CTCACCATTA TCGTTTCAGA CCCACCTCCC **ATCCG** 65 INFORMATION FOR SEQ ID NO. 41: (42)(i) SEQUENCE CHARACTERISTICS: LENGTH: 67 base pairs (A) (B) TYPE: nucleic acid single (C) STRANDEDNESS: (D) TOPOLOGY: linear MOLECULE TYPE: other nucleic acid (ii) (A) Description: /desc = "oligonucleotide" HYPOTHETICAL: YES (iii) SEQUENCE DESCRIPTION: (ix) SEQ ID NO: 41: GATCAGCATG CCTGCAGGTC GACTQTAGAC CCGGGTACCG AGCTCGCCCT ATAGTGAGTC 60 **GTATTAT** 67 INFORMATION FOR SEQ ID NO. 42: (43)SEQUENCE CHARACTERISTICS: (i) LENGTH: 67 base pairs (A) nucleic acid (B) TYPE: (C) STRANDEDNESS: single TOPOLOGY: (D) linear MOLECULE TYPE: other nucleic acid (ii) (A) Description: /desc = "pligonucleotide" HYPOTHETICAL: YES (iii) SEQUENCE DESCRIPTION: SEQ ID NO: (ix) 42: CCGGATAATA CGACTCACTA TAGGGCGAGC TCGGTACCCG GGTCTAGAGT **CGACCTGCAG** 60 **GCATGCT** 67

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